10/25/2006

FORM PTO-1449
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
16518.131	10/635,822
APPLICANTS	
Katayoon DEHESH	
FILING DATE	GROUP
August 7, 2003	To Be Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
EM	AA1	5,585,535	12/17/96	Fehr *et al.*			
	AB1						
	AC1						
	AD1						
	AE1						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
EM	AF1	92/03564 ✓	03/1992	PCT			x Yes No
	AG1	92/20236 ✓	11/1992	PCT			x Yes No
	AH1	93/10240 ✓	05/1993	PCT			x Yes No
	AI1	94/10189 ✓	05/1994	PCT			x Yes No
	AJ1	94/10288 ✓	05/1994	PCT			x Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

EM	AK	1	Clough *et al.*, "Purification and Characterization of 3-Ketoacyl-Acyl Carrier Protein Synthase III from Spinach", *The Journal of Biological Chemistry*, 267(29):20992-20998 (1992) ✓
	AL	1	Dehesh *et al.*, Database EMBL, Accession No. AX073486 (XP002213168) (2001) ✓
	AM	1	Dehesh *et al.*, "GT-2: A Transcription Factor with Twin Autonomous DNA-Binding Domains of Closely Related but Different Target Sequence Specificity", *The EMBO Journal*, 11(11):4131-4144 (1992) ✓
	AN	1	Dehesh, "KAS IV: 3-Ketoacyl-ACP Synthase from *Cuphea sp.* is a Medium Chain Specific Condensing Enzyme", *The Plant Journal*, 15(3):383-390 (1998) ✓
	AO	1	Dehesh *et al.*, "Production of High Levels of 8:0 and 10:0 Fatty Acids in Transgenic Canola by Overexpression of CH FatB2, a Thioesterase cDNA from *Cuphea hookerinana*", *The Plant Journal*, 9(2):167-172 (1996) ✓
	AP	1	Dehesh *et al.*, "Two Novel Thioesterases are Key Determinants of the Bimodal Distribution of Acyl Chain Length of *Cuphea palustris* Seed Oil", *Plant Physiol.*, 110:203-210 (1996)

EXAMINER	DATE CONSIDERED
/Elizabeth Mcelwain/	10/25/2006

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	AA2						
	AB2						
	AC2						
	AD2						
	AE2						

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
EM	AF2	95/06740 ✓	03/1995	PCT			x (abstract only) Yes No
	AG2	95/15387 ✓	06/1995	PCT			x Yes No
	AH2	96/23892 ✓	08/1996	PCT			x Yes No
	AI2	98/46766 ✓	10/1998	PCT			x Yes No
	AJ2	0 969 014 ✓	01/2000	EPO			x Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

EM	AK	2	Eccleston *et al.*, "Expression of Lauroyl-Acyl Carrier Protein Thioesterase in *Brassica napus* Seeds Induces Pathways for Both Fatty Acid Oxidation and Biosynthesis and Implies a Set Point for Triacylglycerol Accumulation", *The Plant Cell*, 10:613-621 (1998) ✓
	AL	2	Fuhrmann *et al.*, "Factors Controlling Medium-Chain Fatty Acid Synthesis in Plastids from Maturing *Cuphea* Embryos", *Z. Naturforsch*, 48c:616-622 (1993) ✓
	AM	2	Harwood, "Fatty Acid Metabolism", *Ann. Rev. Plant Physiol. Plant Mol. Biol.*, 39:101-138 (1988) ✓
	AN	2	Hawkins *et al.*, "Characterization of acyl-ACP Thioesterases of Mangosteen (Garcinia mangostana) Seed and High Levels of Stearate Production in Transgenic Canola", *The Plant Journal*, 13(6):743-752 (1998) ✓
	AO	2	International Search Report, PCT/US01/23369 dated September 25, 2002 (4 pages)
	AP	2	Jaworski *et al.*, "A Cerulenin Insensitive Short Chain 3-Ketoacyl-Acyl Carrier Protein Synthase in *Spinacia oleracea* Leaves", *Plant Physiology*, 90:41-44 (1989) ✓

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	AA3						
	AB3						
	AC3						
	AD3						
	AE3						

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
EM	AF3	00/07433 ✓	02/2000	PCT			x Yes No
EM	AG3	00/75343 ✓	12/2000	PCT			x Yes No
EM	AH3	01/29238 ✓	04/2001	PCT			x (abstract only) Yes No
	AI3						Yes No
	AJ3						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

EM	AK	3	Kaneko *et al.*, Database EMBL, Accession No. D90905 (XP002213167) (1996). ✓
	AL	3	Kaneko *et al.*, "Sequence Analysis of the Genome of the Unicellular Cyanobacterium *Synechocystis sp.* Strain PCC6803 II. Sequence Determination of the Entire Genome and Assignment of Potential Protein-coding Regions", *DNA Research*, 3:109-136 (1996) ✓
	AM	3	Kauppinen, "Structure and Expression of the *Kas*12 Gene Encoding a β-Ketoacyl-Acyl Carrier Protein Synthase Iisozyme from Barley", *The Journal of Biological Chemistry*, 267(33):23999-24006 (1992) ✓
	AN	3	Leonard *et al.*, "A Cuphea β-Ketoacyl-ACP Synthase Shifts the Synthesis of Fatty Acids towards Shorter Chains in *Arabidopsis* Seeds Expressing Cuphea FatB Thioesterases", *The Plant Journal* 13(5):621-628 (1998) ✓
	AO	3	Martini, "Modification of Fatty Acid Composition in the Storage Oil of Transgenic Rapeseed", *Biological Chemistry Hoppe-Seyler*, vol. 376, pp. S55 (1995) ✓
		3	Ohlrogge, "Design of New Plant Products: Engineering of Fatty Acid Metabolism", *Plant Physiol.*, 104:821-826 (1994) ✓

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	AA4						
	AB4						
	AC4						
	AD4						
	AE4						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AF4						Yes No
	AG4						Yes No
	AH4						Yes No
	AI4						Yes No
	AJ4						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

EM	AK	4	Post-Beittenmiller *et al.*, "*In vivo* Pools of Free and Acylated Acyl Carrier Proteins in Spinach", *The Journal of Biological Chemistry*, 266(3):1858-1865 (1991) ✓
	AL	4	Radke *et al.*, "Transformation of *Brassica napus* L. Using *Agrobacterium Tumefaciens*: Developmentally Regulated Expression of a Reintroduced Napin Gene", *Theor. Appl. Genet.* 75:685-694 (1988)
	AM	4	Schuch *et al.*, "Medium-chain acyl-ACP Thioesterase is not the Exclusive Enzyme Responsible for Early Chain-Length Termination in Medium-Chain Fatty Acid Synthesis", *Grasas y. Aceites*, vol. 44, Fasc 2, pp. 126-128 (1993) ✓
	AN	4	Shimakata *et al.*, "Isolation and Function of Spinach Leaf β-Ketoacyl-(Acyl-Carrier-Protein) Synthases", *Proceedings of National Academy of Science*, USA, 79:5808-5812 (1982) ✓
	AO	4	Siggard-Andersen *et al.*, "The fabJ-Encoded β-Ketoacyl-(Acyl Carrier Protein) Synthase IV from *Escherichia coli* is Sensitive to Cerulenin and Specific for Short –Chain Substrates", Proc. Natl. Acad. Sci., USA, 91:11027-11031 (1994) ✓
	AP		Slabaugh *et al.*, "Condensing Enzymes from *Cuphea wrightii* Associated with Medium Chain Fatty Acid Biosynthesis", *The Plant Journal*, 13(5):611-620 (1998) ✓

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	AA5						
	AB5						
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	AD5						
	AE5						

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	AF5						Yes No
	AG5						Yes No
	AH5						Yes No
	AI5						Yes No
	AJ5						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

EM	AK	5	Slabaugh *et al.*, GenEMBL Sequence Accession No. U67317 (1996)
	AL	5	Slabaugh *et al.*, "cDNA Clones Encoding β-Ketoacyl-Acyl Carrier Protein Synthase III from *Cuphea wrightii*", *Plant Physiology*, 108:443-444 (1995) ✓
	AM	5	Tai *et al.*, "3-Ketoacyl-Acyl Carrier Protein Synthase III from Spinach (*Spinacia oleracea*) is not Similar to Other Condensing Enzymes of Fatty Acid Synthase", *Plant Physiology*, 103:1361-1367 (1993) ✓
	AN	5	Töpfer *et al.*, "Modification of Plant Lipid Synthesis", *Science*, 268:681-685 (1995) ✓
	AO	5	Tsay *et al.*, "Isolation and Characterization of the β-Ketoacyl-Acyl Carrier Protein Synthase III Gene (fabH) from *Escherichia coli* K12", 267(10):6807-6814 (1992) ✓
	AP	5	Voelker *et al.*, "Genetic Engineering of a Quantitative Trait: Metabolic and Genetic Parameters Influencing the Accumulation of Laurate in Rapeseed", *The Plant Journal*, 9(2):229-241 (1996)

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	AA6						
	AB6						
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	AD6						
	AE6						

FOREIGN PATENT DOCUMENTS

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	AF6						Yes No
	AG6						Yes No
	AH6						Yes No
	AI6						Yes No
	AJ6						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

EM	AK	6	Voelker *et al.*, "Plant Acyl-ACP Thioesterases: Chain-Length Determining Enzymes in Plant Fatty Acid Biosynthesis", *Genetic Engineering*, 18:111-133 (1996) ✓
EM	AL	6	Voelker *et al.*, "Fatty Acid Biosynthesis Redirected to Medium-Chains in Transgenic Oilseed Plants", *Science*, 257:72-74 (1992) ✓
EM	AM	6	Walsh *et al.*, "The Short Chain Condensing Enzyme has a Widespread Occurrence in the Fatty Acid Synthetases from Higher Plants", *Phytochemistry*, 29(12):3797-3799 (1990) ✓
EM	AN	6	Winter *et al.*, "Decarboxylation of Malonyl-(Acyl Carrier Protein) by 3-Oxoacyl-)Acyl Carrier Protein) Synthases in Plant Fatty Acid Biosynthesis", *Biochem. J.*, 321:313-318 (1997) ✓
	AO	6	
	AP	6	

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SUPPLEMENTAL
FORM PTO-1449
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ATTY. DOCKET NO.	APPLICATION NO.
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APPLICANTS	
Katayoon DEHESH	
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August 7, 2003	1638

U.S. PATENT DOCUMENTS

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	AA1						
	AB1						
	AC1						
	AD1						
	AE1						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AF1	03/072784	09/2003	PCT			x Yes No
	AG1						Yes No
	AH1						Yes No
	AI1						Yes No
	AJ1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

EM	AK	1	McKeon *et al.*, "Purification and Characterization of the Stearoyl-Acyl Carrier Protein Desaturase and the Acyl-Acyl Carrier Protein Thioesterase from Maturing Seeds of Safflower", *The Journal of Biological Chemistry*, 257(20):12141-12147 (1982)
	AL	1	
	AM	1	
	AN	1	
	AO	1	
	AP	1	

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